

ABSTRACT OF THE DISCLOSURE

In a client and server system the execution of calls is synchronized to maintain a correct execution of a service application. At the server, calls are executed asynchronously by a plurality of threads, and when a thread change occurs, a synchronization call is generated and transmitted to the client, including a server call counter value indicating a number of calls executed at the server. With every synchronization call, the client determines whether the server call counter value corresponds to a current client call counter value. If the counter values are identical, the correct sequence of execution is maintained, but if they differ, an overtake condition has occurred, indicating that service calls from a first thread were overtaken by a second thread. The thread and service calls which have overtaken other service calls are placed into a wait condition to maintain the correct order of execution of service calls.